SEQUENCE LISTING

<110> OMNISCIENCE PHARMACEUTICALS
Chaparian, Michael
Zheng, Shu-Xian

<120> GENE CLONING

<130> 1002.00011

<140> 10/049,994
<141> 2002-02-18

<150> PCT/US00/22743
<151> 2000-08-18

<150> 60/149,788
<151> 1999-08-19

<150> 60/149,822
<151> 1999-08-19

<160> 141

<170> PatentIn version 3.0

<210> 1
<211> 29
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(29)
<223> primer

<400> 1
gggtccggca gaccgttcgc gggccggac 29

<210> 2
<211> 30
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(30)
<223> primer

<400> 2
gagcggaccg caccgcgatc ggaacaacct 30

<210> 3

<211> 28
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(28)
<223> primer

<400> 3
tctccggggc agcgcggtcg cggaacgt 28

<210> 4
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> Octamer OC-OCT-003

<400> 4
ctcgccga 8

<210> 5
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-001

<400> 5
gtcggcga 8

<210> 6
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-002

<400> 6
ccagatcg 8

<210> 7
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OC-OCT004

<400> 7
cgacatcg 8

<210> 8
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-005

<400> 8
gccgatca 8

<210> 9
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-006

<400> 9
gccaccga 8

<210> 10
<211> 8
<212> DNA
<213> artificial seqeunce

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-007

<400> 10
gatgccga 8

<210> 11
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octmer OS-OCT-008

<400> 11
cggcgaag 8

<210> 12
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-009

<400> 12
cggcgaac 8

<210> 13
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-010

<400> 13
ggcgatca 8

<210> 14
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature

<222> (1)..(8)
<223> octamer OS-OCT-011

<400> 14
gccgagga 8

<210> 15
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-012

<400> 15
cgccgaca 8

<210> 16
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-013

<400> 16
atcgccga 8

<210> 17
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-014

<400> 17
ggcgaacc 8

<210> 18
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-015

<400> 18
gccgacca 8

<210> 19
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-016

<400> 19
gccaagga 8

<210> 20
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-017

<400> 20
cggcaacg 8

<210> 21
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-018

<400> 21
ggctggac 8

<210> 22

<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-019

<400> 22
gcagcacc 8

<210> 23
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> artificial sequence
<222> (1)..(8)
<223> octamer OS-OCT-020

<400> 23
ccagccag 8

<210> 24
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-21

<400> 24
cgccgccg 8

<210> 25
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-22

<400> 25
cggcgacc 8

<210> 26
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-23

<400> 26
ccgccgcc 8

<210> 27
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-24

<400> 27
cgcggccg 8

<210> 28
<211> 8
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(8)
<223> octamer OS-OCT-25

<400> 28
gtcggcga 8

<210> 29
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-001

<400> 29
cagctcggcg 10

<210> 30
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-002

<400> 30
gccggtgagc 10

<210> 31
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-003

<400> 31
ccgggtcgag 10

<210> 32
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-004

<400> 32
ggcgccgccc 10

<210> 33
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature

<222> (1)..(10)
<223> decamer OS-DEC-005

<400> 33
ggcgccgccc 10

<210> 34
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-006

<400> 34
cgaggtcgag 10

<210> 35
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-007

<400> 35
cgagcaggcc 10

<210> 36
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-008

<400> 36
cgacgcgggc 10

<210> 37
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OC-DEC-009

<400> 37
cctggccgcg 10

<210> 38
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-010

<400> 38
cctgcgcggc 10

<210> 39
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-011

<400> 39
acggccgcgg 10

<210> 40
<211> 10
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(10)
<223> decamer OS-DEC-012

<400> 40
cgaggacgtc 10

<210> 41

<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 41

Cys Gly Ala Thr Gly Cys Thr Ser Thr Ala Tyr Gly Ala Arg Thr Gly
1 5 10 15

Gly Cys Thr Ala
20

<210> 42
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 42

Thr Gly Gly Cys Gly Tyr Gly Thr Tyr Thr Gly Val Ala Cys Cys Ala
1 5 10 15

Thr Gly Thr Ala
20

<210> 43
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 43

Cys Cys Gly Ala Cys Arg Cys Thr Tyr Gly Cys Lys Gly Ala Cys Gly
1 5 10 15

Thr Ala Cys Ala
20

<210> 44

<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 44

Cys Ala Thr Cys Asx Gly Gly Ser Gly Thr Ser Gly Thr Thr Ala Cys
1 5 10 15

Gly Gly Thr Ala
20

<210> 45
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> unsure
<222> (1)..(20)
<223> primer

<400> 45

Thr Gly Cys Thr Ser Gly Thr Ser Gly Gly Ser Gly Ala Arg Gly Ala
1 5 10 15

Gly Cys Thr Gly Ala
20

<210> 46
<211> 22
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(22)
<223> primer

<400> 46

Thr Cys Ser Ala Cys Tyr Thr Thr Gly Cys Cys Arg Thr Thr Gly Ala
1 5 10 15

Cys Arg Thr Thr Gly Ala
20

<210> 47

<211> 22
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(22)
<223> primer

<400> 47

Thr Thr Cys Ala Cys Cys Gly Ala Arg Arg Cys Ser Gly Cys Gly Thr
1 5 10 15

Thr Cys Gly Thr Cys Ala
20

<210> 48
<211> 23
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(23)
<223> primer

<400> 48

Cys Gly Cys Cys Gly Gly Ser Ala Cys Cys Ala Thr Ser Ala Tyr Cys
1 5 10 15

Cys Gly Gly Ala Thr Ser Ala
20

<210> 49
<211> 19
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 49

Gly Ala Thr Cys Gly Cys Gly Thr Gly Cys Gly Cys Ala Ala Gly Ala
1 5 10 15

Ala Ala Thr

<210> 50

<211> 22
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(22)
<223> primer

<400> 50

Cys Cys Ala Cys Ser Thr Thr Thr Gly Gly Tyr His Thr Arg Gly Gly
1 5 10 15

Arg Gly Ala Thr Cys Gly
20

<210> 51
<211> 24
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(24)
<223> primer

<400> 51

Ala Tyr Arg Cys Gly Thr Thr Cys Ala Ala Gly Tyr Gly Cys Met Gly
1 5 10 15

Cys Met Met Met Ala Cys Ala Gly
20

<210> 52
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 52

Gly Ala Thr Ala Ala Ala Thr Tyr Thr Gly Tyr Ala Cys Thr Gly Ala
1 5 10 15

Arg Cys Cys Lys
20

<210> 53

<211> 23
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(23)
<223> primer

<400> 53

Thr Thr Cys Lys Ser Cys Gly Ala Gly Gly Ala Cys Cys Ala Cys Cys
1 5 10 15

Cys Gly Met Trp Gly Ala Thr
20

<210> 54
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 54

Gly Gly Ala Ala Gly Thr Ala Gly Thr Cys Gly Thr Lys Ser Gly Thr
1 5 10 15

Gly Ala Lys Gly Thr
20

<210> 55
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 55

Gly Ala Thr Gly Cys Ala Cys Gly Ala Gly Gly Thr Asx Ala Ala Cys
1 5 10 15

Val Thr Cys Thr
20

<210> 56

<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 56

Thr Cys Thr Gly Gly Trp Ala Ser Ala Gly Ser Ala Cys Gly Gly Thr
1 5 10 15

Gly Ala Thr Cys Ala
20

<210> 57
<211> 22
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(22)
<223> primer

<400> 57

Ala Thr Gly Cys Ser Arg Cys Gly Tyr Ala Ala Arg Cys Gly Gly Cys
1 5 10 15

Ala Arg Thr Thr Gly Thr
20

<210> 58
<211> 22
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(22)
<223> primer

<400> 58

Cys Gly Ala Thr Arg Gly Cys Tyr Thr Cys Tyr Thr Thr Gly Cys Cys
1 5 10 15

Tyr Gly Thr Cys Ala Thr
20

<210> 59

<211> 22
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(22)
<223> primer

<400> 59

Cys Gly Thr Thr Gly Gly Cys Tyr Cys Thr Thr Cys Ala Thr Gly Gly
1 5 10 15

Ser Gly Ala Thr Gly Ala
20

<210> 60
<211> 23
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(23)
<223> primer

<400> 60

Cys Cys Thr Thr Thr Gly Gly Cys Thr Ala Thr Tyr Thr Cys Arg Gly
1 5 10 15

Cys Tyr Thr Cys Cys Ala Thr
20

<210> 61
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 61

Gly Ala Gly Thr Thr Cys Gly Ala Cys Gly Cys Ser Gly Val Ser Thr
1 5 10 15

Thr Cys Thr Thr
20

<210> 62

<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 62

Gly Gly Thr Gly Thr Gly Asn Cys Cys Gly Ala Thr Gly Thr Thr Gly
1 5 10 15

Gly Ala Cys Thr Thr
20

<210> 63
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 63

Gly Cys Ala Arg Cys Gly Val Cys Thr Cys Cys Thr Gly Cys Thr Ser
1 5 10 15

Gly Ala Ala Ala
20

<210> 64
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 64

Thr Thr Gly Cys Thr Ser Gly Cys Arg Cys Cys Gly Thr Cys Cys Thr
1 5 10 15

Gly Gly Thr Thr
20

<210> 65

<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 65

Ala Gly Cys Gly Thr Ser Thr Thr Cys Gly Cys Ser Gly Thr Gly Gly
1 5 10 15

Ala Gly Thr Ala
20

<210> 66
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 66

Gly Thr Gly Cys Thr Thr Cys Thr Cys Ser Ala Gly Met Ala Gly Cys
1 5 10 15

Thr Thr Gly Ala
20

<210> 67
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 67

Thr Ser Ala Ala Gly Gly Ala Gly Ala Cys Cys Gly Ala Arg Gly Ala
1 5 10 15

Ser Gly Ala Ala
20

<210> 68

<211> 19
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 68

Cys Gly Ser Ala Cys Cys Ala Cys Ser Ala Gly Cys Ala Gly Gly Thr
1 5 10 15

Thr Cys Ala

<210> 69
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 69

Cys Thr Thr Cys Thr Ala Tyr Gly Ser Val Cys Thr Gly Gly Ala Gly
1 5 10 15

Gly Cys Cys Ala
20

<210> 70
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 70

Gly Ala Gly Gly Arg Gly Ala Thr Cys Thr Gly Ser Ser Cys Cys Asp
1 5 10 15

Thr Gly Cys Thr
20

<210> 71

<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 71

Gly Thr Gly Gly Gly Met Gly Ala Cys Gly Gly Tyr Thr Cys Ser Ala
1 5 10 15

Ala Arg Thr Thr
20

<210> 72
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 72

Thr Tyr Gly Cys Gly Cys Ala Gly Cys Ala Cys Gly Ala Thr Gly Gly
1 5 10 15

Ala Gly Ala Ala
20

<210> 73
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 73

Cys Ala Cys Thr Ala Cys Gly Thr Cys Cys Arg Ser Ala Cys Cys Cys
1 5 10 15

Thr Cys Cys Thr
20

<210> 74

<211> 19
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 74

Gly Cys Cys Ala Lys Asx Cys Cys Gly Thr Cys Gly Ser Tyr Cys Ala
1 5 10 15

Gly Gly Thr

<210> 75
<211> 19
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 75

Cys Ser Gly Tyr Ser Thr Thr Cys Gly Thr Gly Cys Gly Gly Ala Cys
1 5 10 15

Cys Ala Ala

<210> 76
<211> 19
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 76

Cys Gly Gly Thr Cys Ser Lys Ser Gly Ala Cys Gly Thr Arg Cys Thr
1 5 10 15

Cys Cys Ala

<210> 77

<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 77

Ala Thr Cys Gly Thr Ser Cys Cys Tyr Gly Gly Arg Thr Ala Ser Ala
1 5 10 15

Thr Gly Thr Thr
20

<210> 78
<211> 19
<212> PRT
<213> artficial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 78

Gly Ala Thr Gly Gly Ala Arg Cys Gly Ser Cys Cys Ser Ala Gly Ser
1 5 10 15

Ala Cys Ala

<210> 79
<211> 23
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(23)
<223> primer

<400> 79

Cys Thr Thr Ser Thr Cys Cys Cys Thr Ser Ala Ala Tyr Cys Ala Ser
1 5 10 15

Thr Ala Tyr Ala Ala Gly Ala
20

<210> 80

<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 80

Gly Cys Gly Thr Thr Cys Cys Arg Gly Gly Tyr Thr Cys Arg Ala Ala
1 5 10 15

Gly Gly Ala Ala
20

<210> 81
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 81

Gly Cys Met Thr Ser Cys Cys Ser Ser Thr Ser Ala Thr Cys Gly Ala
1 5 10 15

Gly Gly Ala Cys Thr
20

<210> 82
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 82

Gly Thr Cys Gly Ala Ala Cys Cys Gly Gly Gly Ser Met Ser Gly Gly
1 5 10 15

Gly Thr Cys Cys Ala
20

<210> 83

<211> 19
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(19)
<223> primer

<400> 83

Cys Gly Gly Cys Gly Cys Arg Tyr Ser Gly Gly Arg Gly Thr Ser Thr
1 5 10 15

Thr Cys Ala

<210> 84
<211> 20
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(20)
<223> primer

<400> 84

Gly Thr Trp Cys Ala Gly Cys Gly Gly Gly Thr Thr Gly Lys Cys Gly
1 5 10 15

Thr Thr Cys Ala
20

<210> 85
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 85

Ala Thr Gly Ala Thr Gly Thr Gly Gly Gly Thr Tyr Thr Gly Ser Thr
1 5 10 15

Cys Ser Ala Gly Ala
20

<210> 86

<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 86

Thr Thr Thr Tyr Thr Cys Arg Thr Cys Ser Cys Cys Thr Gly Thr Arg
1 5 10 15

Thr Thr Cys Ala Thr
20

<210> 87
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 87

Thr Cys Cys Tyr Gly Gly Tyr Cys Cys Lys Gly Thr Ser Gly Thr Met
1 5 10 15

Ala Thr Gly Ala Thr
20

<210> 88
<211> 21
<212> PRT
<213> artificial sequence

<220>
<221> UNSURE
<222> (1)..(21)
<223> primer

<400> 88

Ala Cys Cys Tyr Thr Cys Ser Ala Ala Ser Gly Cys Arg Thr Thr Tyr
1 5 10 15

Ala Ala Cys Ala Thr
20

<210> 89

<211> 290
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(290)
<223> probe

<400> 89
ccgacactcg cggacgtaca gacatgaacc tggcgcttgg gttagaagaa gataccggtc 60

tagagcactt gaagtaggag gaggccggaa ggggatgggg aaaacgctct cacaggtgga 120

caagggaacg aggcagggtc ttatcttaag gctgatctcc gagaagcatt ggggaccagc 180

aggatctggt cgcggccctg tcggaggctg gggttgaggt ggcccaggcg accgtgagtc 240

gggaccttgc gagctcgggg tcctaaaggt cggtaaccgc tatctccggc 290

<210> 90
<211> 267
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(267)
<223> probe

<400> 90
ccgacgcttg ctgacgtaca ggcggaatgc agaacttcca cgggggcatt aaaacgttca 60

cgaaaacggg cgatagtttg cggtgtcagg ccgatttccg gcaccatcac cagcgcctgt 120

ttgccctgag cgagcacgtt ttccagtacg ctgagataaa cctccgtttt acgtaaccac 180

gcccgatgat cacgaattct ggatccgata cgtaacgcgt ctgcagcatg cgtggtaccg 240

agctttccct atagtgagtc gtataga 267

<210> 91
<211> 274
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(274)
<223> probe

<400> 91

catctggggt ggttacggta caggcaactt cacgccatct gccgagttca acatctcttg 60

ccgacccaga agccgcacgc gtagtgttca cctccggcgt tccattagtg atgatgggcc 120

tcgatctcac aaccagaccg tttgcacccg gacgtgattg ctcggatgga aaggcaggcg 180

gcccgccgga gagctgttca gcgacatcat gaacttcact ctcaaaacgc agtcgaaaac 240

tacggccttg ctggcggccg gtgcacgacg ccac 274

<210> 92
<211> 293
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(293)
<223> probe

<400> 92
ccgacgctcg cggacgtaca tgacaaacct ttatttcaag attaaagaag ataagcgcaa 60

ggctgcgaga ggtgaataat gcctccatca cttacgcaaa agccgcttgc tgctgctcat 120

tggtggcgcg acgcaattgc tcatagcact cacgtgttaa tcactcggcc caatggtaac 180

cgatggtccc tggaagatgt ccagccctac cataccatca ccaaagatat tgttggtgta 240

tggcactgta tgctcaccgg acacaccgga aaagaccatc attgctccgg taa 293

<210> 93
<211> 95
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(95)
<223> probe

<400> 93
gaggcgatat cattttctac aggaatacgc accaaagact caatcagatt gcgtccaaca 60

agaccggcat tgcatcgggg gtggttacgg tattc 95

<210> 94
<211> 105
<212> DNA
<213> artificial sequence

<220>

<221> misc_feature
<222> (1)..(105)
<223> probe

<400> 94
catcgggggt ggttacggta taaactgcgg cttcttcttt ttcttctttc ttcttgttac 60

acgctgtaaa caacagaaga ctgcttagcg caatacttgc gacaa 105

<210> 95
<211> 270
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(270)
<223> probe

<400> 95
ccgacgctcg cggacgtaca tcttcaagcg tccatcgctc ggcatggtga tgtggatctg 60

gatcagcgtg atgaacccgc atacgcaagg gtggggcttc gcgcgcgaag cgttcgccgc 120

catcatcgcg gtgacgacgg tcgccgccat ggccacgaac gcgtaccgga ataccgtaac 180

caccccgat gatcacgaat tctggatccg atacgtaacg cgtctgcagc atgcgtggta 240

cgagctttcc tatagtgagt cgtatagagg 270

<210> 96
<211> 126
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(126)
<223> probe

<400> 96
gatcgcgtgc gcaagaaatc tgcgccgcct ggcagggtcg agttgtcggc tggtactgca 60

cagatctgac ccctgaaggc tatgccgtcg agtccgagtc tcaccccggc tcagtacaga 120

tttatc 126

<210> 97
<211> 127
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(127)
<223> probe

<400> 97
gataaatatg cactgagccg gggtgagact cggactcgac ggcatagcct tcaggggtca 60

gatttgtgca gtaccagccg acaactcgac cctgccaggc ggcgccagat ttcttgcgca 120

cgcgatc 127

<210> 98
<211> 127
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(127)
<223> probe

<400> 98
gataaatctg tactgagcct ggatgcgact cggactcgac ggcatagcct tcaggggtca 60

gttttgtgca gtaccagccg acaactcgac cctgccaggc ggcgccagat ttcttgcgca 120

cgcgatc 127

<210> 99
<211> 275
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(275)
<223> probe

<400> 99
cctttggcta tttcggcttc catctcgacg acagtgaagt tctccctgta gaagaagtcg 60

aggtacccct cgttctgaag aaatgtccct ttgaccgtgg accgcctttt ggttatcgag 120

cgcggcgcca taatccgagg gtatgggggc gaggtcggca taggctggaa cgcatttcgg 180

aaccaggtag gtgggttccc gggaggtggc ctcggtcata ggacaacgtc cgaggatcat 240

tcacgtcgcc caatgggcgg cccggttggg gccgt 275

<210> 100
<211> 286
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(286)
<223> probe

<400> 100
cctttggcta tttcggcttc catcgtggcc tccttgcctg tcatccactt cttcaacaga 60

gatatttgag aaatcagaaa tttctgtctt taaaggagat gtctggctgc gggaaccgat 120

catctgtagc tgtgttctta taatattctg aatttttgca cgcttgtttc ttctgctttt 180

ttttctaaag ataccagaat agcaaccaaa ggcagcaagc agtacaacaa ctgccgtttg 240

gcgccgcata tctgaattcg tcgacaagct tcttgagcct aggcta 286

<210> 101
<211> 272
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(272)
<223> probe

<400> 101
cctttggcta tttcggcttc catgccgtca tgacaccctc ctggtgttcg tacaattttt 60

cttttatcac ctttgcgccc tgttcttctt ctacaccgtc aacggactta ctaccatcgg 120

taaatggccg cggcgtatca tattcgccct cttatttctc aaccctgcca tcctttatct 180

caggtaacta tatcaccagg tgacgtctat ttcatcgcca tgaagggccc acgatctgaa 240

ttcgtcgaca aggcttctcg agcctagggc ta 272

<210> 102
<211> 101
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(101)
<223> probe

<400> 102
cgatggcctc tttgcctgtc atttttcgat cactaccacc gggcgtgcca gtcgtattgc 60

cagcgcctgt gccgtctcgc cttgtgtcta atcaataaaa c 101

<210> 103
<211> 262
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(262)
<223> probe

<400> 103
cgttggccct tcatggcgat gatgtcagca ccacgcctgt cgcggcgctc aaaagatagc 60

tgtggccgag catgacggga aacatgctgc gatcctgtgc gacacggcgg atcagcgatt 120

cctgcgaacc gataccgcag atctggacgc caagattggt gacggccgta tggaggcgta 180

aagcgcgaat tgttcgacac cgagatgacg ggcaaggagg ccatcatcgc catgaagagc 240

cacgatcacg aattctggat cg 262

<210> 104
<211> 287
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(287)
<223> probe

<400> 104
cgttggctct tcatggggat gatggtcagc accacgcctg tcgcggcgct caaaagatag 60

ctgtggccga gcatgacggg aaacatgctg cgatcctgtg cgacacggcg gatcagcgat 120

tcctgcgaac cgataccgca gatctggacg ccaagattgg tgacggccgt attgaggccg 180

aaatagccaa aggatctgaa ttcgtcgaca aggcttctcg aggcctaggc tagggctcta 240

ggaccacacg tggtgggggg cccagctcgc ggcgcacaat tcactgc 287

<210> 105
<211> 290
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(290)
<223> probe

<400> 105
cgttggctct tcatggggat gatctgccgg cctgaggggc tgcgcgcacg gaggaaagat 60

aaggctcgta ggtcatggcc gcgtcgttct ggccggcgat gaaggcctga gcggcaggac 120

ccggctccat gttgacgacg gtcacgtcct tcacggagag accgttcttc ttcagcatcc 180

aggagagggc gaaatagggc gacgtgccgg gcgcggaggc cgccacctgc tggcccttga 240

tgtccttgat ggaggccgag atagccaaag gatctgaatt cgtcgacaag 290

<210> 106
<211> 285
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(285)
<223> probe

<400> 106
ttgctggcgc cgtcctggtt ggttgcacat tgccattacc cattacgatg gtaatcatca 60

ccgcgatagc gcaaattgca ccgcctcctg cggctgtttt tcccttcata aagacctcat 120

aagcgaattt ttacgctcca ggacaaacac ccattcacag ccaataccga ctgactcatc 180

cctttagaag acacaggata atgcaaatca cttgttagct acgtttcaag atatacatta 240

ttgctctaat taattatttt tattagggat agataggtgg accat 285

<210> 107
<211> 271
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(271)
<223> probe

<400> 107
ttgctcgcgc cgtcctggtt tgcgagacgc aggaggcaag tcgcagtacc agtcgtagaa 60

gcttaagcaa gtaccgccaa tcagcgagag atagcgtgca cccgatgcgt aagaaaccat 120

cgacattgcc ggaattggcg agaaccagca acacggtccg ggccgctagt ttttgatggt 180

gtaacgttag atgcggcgat cagttcgttc acctcctgcc aggagaacga acaatccacc 240

gccgtcacgc gcctgcttaa ggctttgcgc t 271

<210> 108
<211> 269
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(269)
<223> probe

<400> 108
aaggagaccg aagaggaaca tgggctggaa gaagatggaa aagccaaaag gaacctttta 60

cgtatgtggc gtgtagaatt ccgagaaacg tttgagaaca tctcaccaat tctccgatta 120

cttgctggag catgctcatg tcgttgtcac accgggcgaa aatattcgga agcacggaaa 180

aaggcatgtc agaatatcga tggtgtcgaa gcaggaggat ctgcgggaat ttgtcatgcg 240

gattcaaagc tgaacctgct cgtggtgcg 269

<210> 109
<211> 281
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(281)
<223> probe

<400> 109
tgaaggagac cgcaggagga acacggaaat aagaactgat gtgctcgcag gaaataaaga 60

cacagggaaa tatgatcata gatactcaaa cattccttaa ctatagggag cagagcgagg 120

cattaaaggc ctggcagaaa tcaaatccta aggaaggtga atcattacca actatttcaa 180

caatatcaga attgaataag aaaaaatata ttttgagaaa ttgccacaaa aagctgtcta 240

ttttggacag cttttataaa ctactgaact gctagtggtg c 281

<210> 110
<211> 457
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(457)
<223> probe

<400> 110
ttgcgcacga cgatggagaa ctgatttcgc tgtcctcgat ccggcagtcc tcggagacgg 60

acgtgaacgg accgatgtag gcgtcgttga ccaccgtgcc ggcaccgatg atggcaggcc 120

cgacgatgcg gctgcacact gacgctggcg ccgcctcgac ccggacccgg ccgatgatct 180

cgctgctctc gtcgaccgtg ccctcgacca ccggctccga cggtcctcca aggaccgacc 240

ggtggacctc caagcatgtc gggtaacgtt gccggtgtcc ttccaggtag ccgagagaaa 300

ggtccgttgg aggcgaacgt acacggctgg ctgggtcaat acagcacact gtgaatggcg 360

tggtgggtga aaattctatc aggctcggcc ggcgcacaga gaccggctca tatatagacg 420

caggacggcg ctcttggtga attgccggtg ataaaaa 457

<210> 111
<211> 302
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(302)
<223> probe

<400> 111
caaagcggaa gcgatgcgga tgttgcgggc aaaagtcgcg gccttagcgg cgcaacaggc 60

tgctgatgaa aatgatcgaa tggcgtcgag gaccagggtg gcgtactggt cggataggat 120

cgggctcgag gtggcgtacc ctataacttt cccgaggaat cgcctggacg ggatcatcgt 180

aattgggtac aagttccagg aacttgacca gagttctggc tggcggacct aggtggatgg 240

tctaggacgc ggctccatgc cgataggtgg agggcgtgga tggcacaacg gccgaaggtc 300

ag 302

<210> 112
<211> 268
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature

<222> (1)..(268)
<223> probe

<400> 112
tgcgcacgac gatggagaaa gccggctata tggacgaaga tttcttccta tatgccgaag 60

aagtggagtg gtgcagccgt ttacgtaagc tgggcgaatt agcgatcttt ggagacatca 120

acattattca ccttcagggt gagaccaccg gagacgcctt tgactcagcc gataaggcta 180

ctacggcctg tatgaccgta aaggcctcca gctcatgtta tccaatcatg tcagggtcag 240

aaacaattcg gggcacgctg gtacttat 268

<210> 113
<211> 276
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(276)
<223> probe

<400> 113
tcgcgcacga cgatggagaa ttgggtatcg tgaaggtata attgaggagg agtataaagt 60

accagcgtgc cccgaattgt ttcctgaccc tgacatgatt ggataacatg agctggaggc 120

ctttacggtc atacagggcc gtagtgagcc ttatcggcgt gagtcaaagg gcgtctccgg 180

gtgggtgctc acccgggggg tgagtgatgg tggatgtgcg ccaaagagtt cgggctaatt 240

gggggcagcg ttacggtgga acgggctgcg aggcac 276

<210> 114
<211> 281
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(281)
<223> probe

<400> 114
cgtcgtttga gcggacatgc gctaaaggca gtgaaattat ccgcctggtt gaagaaagcg 60

atccggtagc ggaactggca ttgcgtcgct acgagctgcg gctggcaaaa tcgctggcac 120

atgtcgtgaa tattctcgat ccggatgtga ttgtcctggg gggcgggatg agcaatgtag 180

accgtttata tcaaacggtt gggcagttga ttaacaattt ggtcttcggc ggcgatgtga 240

acgccggtgc gtaggcgacg acgggtgaat cacgagttct g 281

<210> 115
<211> 286
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(286)
<223> probe

<400> 115
gcttgcgggt ggagatgatc ttggcctcgg ggatcgttca tcgccaggat caccggcctt 60

ggacgtcggt tcatttccag gctctggcca ggaacatctg ggtcttcggc gtcggcgaac 120

aggatgcggc ggcctcggcg gtattgcgct cgacatcacc gggtcggagt cggggctgac 180

caggcgatag cctttggcac ttcaggtggg tctaggcggc cgggccggtg gcgggccatg 240

cccatgatca ggatctgcgc atcgccagcg accaccggtt gctcgt 286

<210> 116
<211> 262
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(262)
<223> probe

<400> 116
cgcagcacga tggagaagtg tggaacgtct gctctacaat gcctttacgg gcatcgatca 60

ggatcaggga aacctgcgca ttggaagcac cggttaccat gttacgggta tattcgatgt 120

gacctggtgt atctgcaata atgtatttac ggctgggggt ggaaagtaga tatggccaca 180

tcaatggtga tacctgttca cgttcagcca caaggccgtc tgtcagcaat gacaggtctg 240

taaaatcaag tcctttgcgt tg 262

<210> 117
<211> 279
<212> DNA
<213> artificial sequence

<220>

<221> misc_feature
<222> (1)..(279)
<223> probe

<400> 117
cgcgcacgac gatggagaat cgatcgggtc cgccttcaac gatctgttga ttggcagcac 60

agtctcgaac cggctcgaag gtgggaacgg caatgacacc ttccgcggca cgcggagcag 120

acgtattgat cggtggtgac ggcacgggcg acacggcaga ctattcagcg tcctcggccg 180

gcatcctggt cacgttgact gccatctcca acggagcaac agacagggtg ccgggggggg 240

accgaactta gagtgttcta atgcgagcta gagccatgt 279

<210> 118
<211> 288
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(288)
<223> probe

<400> 118
tcggtcggga cgtgctccac acgcgagcaa caactaccag gacaagcacc aggccctgtc 60

ccgctatgcg aacgtgatga cgtgcagccg caccaaggtg ccctggcgcc cgggccgcgg 120

ctacaacagc agcgaaccga agatctacgg cttgcagacc gccacgtggt cggcccggcg 180

gcgaggaaat ctacaccgac gaatatggcc gggtgcgcgt gcagttccac tgggaccggg 240

agggcgcgaa cgacgagcgc agggtcagcc tggataccgc gtccgcac 288

<210> 119
<211> 289
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(289)
<223> probe

<400> 119
ccgcgttcgt gcggaccaac tggcgatata gaacgggcca gggcaggccg ttggctgcga 60

aaatagggcc tggtcctatc ggcgggctgg atctccaggg tgcgcatcct gatgaggctg 120

agagttggca gggtagcccg gctgcgacca ggcagggtga ccgggtcggc gagcatttcc 180

attgatacag ttgctctggt gagcagggct tttccagggt cgtcctgcgt ccaggtgtcc 240

gacgggtgat gggatggagc cagctgggaa ggactggtga gccactctg 289

<210> 120
<211> 298
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(298)
<223> probe

<400> 120
catggataac gcctggcagg gaacacctac tgtccaacgt cggtctgttc cgaagggtgg 60

tgtcaatcag gtgggtggat cagagtgggc tacaaggtcc ttccagctgg ggtcatccca 120

ttaccgggtc ggacactggg agcaggacga cctggaaaag ccctgctaca ggagcaactg 180

tgatcaatgg acatgcttgg ctgaccggtc accctggctg ggtcgagccg gctacctgcc 240

aatctcagcc tcatcaggag tgcgacctgg gagatcaagg cggccatagg acaggcca 298

<210> 121
<211> 296
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(296)
<223> probe

<400> 121
cactacgtcc gcgaccctcc tgaagtcggc agcaatcttt tccagcccgc ccagcgacat 60

ttcattttgc tgcgcgatat aggcgtcata cagagccatt tgctcgttgt atttcgctat 120

ctgtgcatct gttggttcat ccggtaactc tttcggcggg tttaaccgct ttcagtttct 180

tacggtttta cctgcctcgg caaaccgtct gagcattcag gatccccacc tttgaagggt 240

caaggttaag gggcattgca gataatgcgc ttgagcttct ggtgctgcgt ttttta 296

<210> 122
<211> 300
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(300)
<223> probe

<400> 122
cggtgttcgt gcggaccaaa aggaacgaat ttcagacatc agcacccaac tgaacgcctt 60

tcccggctgt gaagttgctg tcagcgacgc gccgagcggt ccagttgatt gtggtggtgg 120

aagcagaaga cagcgaaacg ctgatccaaa ccattgagtc agtacgcaag tagagggcgt 180

gctggcggtg tcgctgggtt atcaccagca ggaagagcaa ggtgaggaaa caccatgaaa 240

ctcagtcgtc gtagctttat gaagctacgc cgttgcggcg ctgcggcgcg tgccggtctc 300

<210> 123
<211> 271
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(271)
<223> probe

<400> 123
cggtccggga cgtgctccag acgctgcgcg accgcgaata tgtgaagacc gaaaagaagc 60

ggctcgtccc cgaggacaaa ggccggatcg tcaccgcctt cctggagagc ttcttccgcc 120

gctacgtgga atacgacttc acggcggatc tggaggagca gctcgaccgc atctccaatt 180

ccgagatcga ctgggaagca ggtgcttcgc gatttctggc gcgacttctc ggcagccatc 240

ggcgagacga agagctgccg caccgcggag t 271

<210> 124
<211> 256
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(256)
<223> probe

<400> 124
cggtcgtgga cgtgctccag gcgacctcgt ccaggctgag gctgatttca tcgagccagg 60

cgagatagca gttgaggtcg tcggtgtagg tggcgatcgt gcccaccgac gcccccagct 120

ccgtgggcca gggcatcgag ccagaggtgg gctaatcgct gattggtccc acgaagacca 180

gcgttcgtgc ggaccaacag gggccgtact cctgtattct ttcagaagga tctggggaag 240

actcgaactt gctgga 256

<210> 125
<211> 282
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(282)
<223> probe

<400> 125
ccagaattcg tgatcggtgt tcgtcggacc aatcccgctg atcacctcga cctcacgcat 60

aggatcggat caggtgctga tctcgcaaac ccttaggacc tgtcgtcaga gcgaagggga 120

gggggactgt tattccacca tctctgtgtc gaactcggcc agagtgctcc gcgctgtgat 180

cagatcctcc aggcttctca atcgggcgat aaggcgatcc agccgcggtg tgagaaagat 240

caggtagcgg cttggttctc cgacctgtag tgatgcgcca gc 282

<210> 126
<211> 287
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(287)
<223> probe

<400> 126
cggtcgggga cgtgctccag gaaatgaact gatccttctc cggcttgccg cgggcctgct 60

gatagtagcg gatgaagcgc acgctggaat cgaccgcgtc cgatccgccc agggtgaaat 120

agatgtggtt gagatcgccc ggcgcccgct cgggctagtg ccgaggcagg cggatgcccg 180

gctccgcgcc gaggccgaaa tagccggtcg cataaggcag ctcccgcatc tggcggctgg 240

cggcttccac gagtgctggt catgggccgt agccgggcgt tgacgcg 287

<210> 127
<211> 413
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(413)
<223> probe

<400> 127
gcgttccggg ctcgaaggaa acgttcagaa ggtcagctat atcggccggc gattctttgc 60

ttcgtacctg cgcgacggcc gcaccgaagt aaggatgtac gatgaggcgc agagtctggg 120

cgtcgtaccc tgccgggtct cgggcgcgct gtcggttttg aaggacggaa acgagacgga 180

acgttctacg tattcacaag ctacacggtt ccctccgttg tttaccacta cgatttaaag 240

accacaagag cactcttgga agcaaccgaa ggtcgacgcg gatctacgaa atatgagacc 300

agcctcgtct tctacaacac aaagatggca cgcgcgtacc attgttcatc accgcgcgca 360

aggatataag ctggacggaa cagaatcccc tttaccctat gatacggcgg atc 413

<210> 128
<211> 300
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(300)
<223> probe

<400> 128
gcgttccggg ttcgaaggaa gcaacttcca gcaggcggaa cgcctcatcc ctggcatcgc 60

atttcgctga tatcgttcaa ccgttcaacg cgcacgttgg taatttccaa cagaatgcgt 120

gatgcccatc gcggcatgtg aattgatgga cgccacccac catcaaactt tcattcacag 180

gtgtgaggtt tccaggtcgg gcatcatcgg gtatcgacca taaggccgta atcaccaggg 240

tttttggtcg ggaactgggc cgaataaatc cttgctgcgg ttcttctcat ctgccacgac 300

<210> 129
<211> 290
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(290)
<223> probe

<400> 129
gcgttccggg ttcgaaggaa ggcttggact taatgagcaa ggagcggagg taatcgaaat 60

ggcaccattt ccaatcgaaa cgatactggg gaaagccggc gccctctctg tcttcctgtt 120

catcggagtc gcctttggat gggtgttgga gaacgccgga ttcggcaact caccaagctg 180

gcagcacagt tttatttcag agagatgacc gttctcaagg tcatgttcac ggccatcgtc 240

gtcgccatgg tcttgatatt cgcgacttca ggtctggggc ttctagacta 290

<210> 130
<211> 264
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(264)
<223> probe

<400> 130
gcgttccggg ctcgaaggaa tactgtctca tgaacaggat atgctgcgtc ttcgcatcat 60

gatctggcgc actcttgcga ccgacacctt tgacatcgct ctgccggtta accagtcctt 120

tgatgtatgg gcaaccatca ttcgtggcaa attccagact gtatatcgcg acattattag 180

cgcgttaaat cttctggtgc gatggggatg tttgctggtg ctgatgcagc atctttcttc 240

aaacagttgc cgaaggattt cttc 264

<210> 131
<211> 273
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(273)
<223> probe

<400> 131
ggcggttccg ggatcgaagg aaccgttcag aaggtcagct atatcggccg gcgattcttt 60

gcttcgtacc tgcgcgacgg ccgcaccgaa gtaaggatgt acgatgaggc cggcaagagt 120

ctgggcgtcg tacctctgcc gggtctcggg cgcgctgtcg gttttgaagg agggaagacg 180

agacggaaac gttctacgta ttcacaaggc tacacgggtc cctccggtgg tttaccacta 240

cgagttaaag acccacagga gcactccttg gga 273

<210> 132
<211> 261
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(261)
<223> probe

<400> 132
cgtagagatg gggtctctcc atgtgcccag gctgttatcg aactcctggg ctcaagtgat 60

ccttctgcct tggtctccca aagtgctagg gttaaaagtg ctggggttat aagtgtgagc 120

cactgcctct agcccagttt tttagttctt gttacaaatt gccaagtaag gactaatcca 180

aaagactgga gtattttgtc aatgaacatg tttcaacata tgtatctctt acaaaatgca 240

gctggtttaa atcctaaagg c 261

<210> 133
<211> 285
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(285)
<223> probe

<400> 133
cagcgcggca gtgggtgggt tattgctctg ttagctgtgc tggtactggt tggagccggg 60

gtgttcttct acgtcaaggg gatgcccgga tctcattcgg atgccgctcc tcaaccaacc 120

caggcaccaa tctctacctc tacgccagag gtcaggccaa cgcgaactgt gacgctcatg 180

ccacggtgac aacgatgagt tctcccatac agatccagct tcctggcggg gcggtggagt 240

gtggacaagg ggccttgatc gcaaatcctc gcaccacctg tctct 285

<210> 134
<211> 280
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(280)
<223> probe

<400> 134
gttcagcggg ttggcgttca gaagcagcgt ggctgggtgc cggatggtgc gatccacgcg 60

atcgccgatg tgctgggtat tccggcaagc gacgtcgaag gtgtggcacg ttctacagtc 120

agatcttccg ccagccggtt ggtcgccatg tgaatccgtt attgtgacaa gcgtgtctgt 180

catatcacgg tatacaggta atcggcgcgc tcgagaaaag ctgactcacc gggcacgaca 240

tttgataggc gcttaagctg ctgccactgc tgctgggact 280

<210> 135
<211> 271
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(271)
<223> probe

<400> 135
gttcagcggg ttgtcgttca tggccagacc agcagcgtat gctcctccag ggcttttgcg 60

atgggcacac cgcgggacat ggcctgctgc tcgcaagttt ccgcgtctct gtccggatcg 120

gcgcccgaag tgacccgtga acagcgccga gtccttcagg cccgcctctc gcgaacatcg 180

ccgagcgata cgcccgtcca ttccgcgcac gcgaccccgc cattggtcca gggattgcct 240

ccgccttcgg ctccgaagaa cgagcggccg t 271

<210> 136
<211> 236
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(236)
<223> probe

<400> 136
gttcagcggg ttggcgttca gggattggtg catttgcctg cccttgctgc ctggaaccct 60

gaaaatcccg gtgactttgg cggtttgggc atgagcagtg acgagtcagc cattttctat 120

gcaatcggta ttggcgatgg cagctgggga gcattttatg atgtttgctg cctgtacccc 180

tacgtacggc aatctttggc tttagcagtc atttgcagtt ggtgcatggc cgtgtg 236

<210> 137
<211> 264
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(264)
<223> probe

<400> 137
tcccggtccg gtggtcatga tccttcgccc tctgctcacg aaagatgctg tccgcccatc 60

ggaagaactc actatttcgc ggttgtgttg gtgggatccc ccggagcccg catcgcgcgt 120

gcgcatgagc tcattcgaga ggtgggcgac gagacttgag aggaaagcgc tggcgccggg 180

tgatggaagg cacacagtgc tcaacgcgga cgataccgat tggtccatct gtttcgtata 240

ggtccatgtg cttctcaact acat 264

<210> 138
<211> 301
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(301)
<223> probe

<400> 138
accgtgtcga aggcgtttaa catgccggtg gatgagttac agggaagtgc agagcgactg 60

aagaaacgcc tcgagaatat gggtgagatc aaccctaccg caattgaggc gtacctggaa 120

atgaagaaac gttacgaatt catacttgaa acagaaagac ggatcttgga tctggaattc 180

gttcggacaa agctttcttc ggagcctagg ctagcttcta gaccacaacg tgtgggggggg 240

cccgagctcc cggccgcaac aatttcacat tgggccgtcg tttttacaac gcttgttgtc 300

a 301

<210> 139
<211> 267
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(267)
<223> probe

<400> 139
tcctggcccg gtcgtcatga tgttcacgtt attatgtagt ctgccggaca ccttattaca 60

ggatgagtat cagcagaaga gtgtgaacta tcaggcgcgg tgacatctgt gtggactaca 120

gtcagcatac tgactgcgct gtgatggctc tacgatgctc gcgaaaaaca ccccccatac 180

catatccgag cgagcgtgat tataacaacg tgcttccgac aagcgagagc ctcgcgctct 240

ggatagagat acatcgtgtc agattac 267

<210> 140
<211> 293
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(293)
<223> probe

<400> 140
accctcgaag gcgttcaaca tcgccttcag ccttcattct cagtagttaa tgccatctgg 60

atggaaaaca gaggaatcta ctgctgtacc gacacatacg acggaggagg tgaatatcgg 120

cttgaaaatg gcatcgatgc gcggagacaa cagatgcagc aaaggagaaa tgatgtttga 180

agactactct tgcctgccag ggagagtaca tgccgaaagc agaaggcgta cacatcaaaa 240

gagatacatg gcgataatac ggaggataca acaggcggga acatgctgtg atg 293

<210> 141
<211> 251
<212> DNA
<213> artificial sequence

<220>
<221> misc_feature
<222> (1)..(251)
<223> probe

<400> 141
tcctggtccg gtcgtaatga ttccgagctc gtcagcaatt tcagtactac ggaactgaaa 60

cttgtcagcc tcatcgggac ctattattat acctattcta cctgcagcct tattgccgga 120

attggcctgg ataagttcgg tggcaaaaga tcgctttttg caggtgcttt aattctggga 180

ataggctgtc tgtaatttct ttgcatctcg cttattcagg tgtgtgttgc aggaagattg 240

ttgcagggag c 251